



Designation: ~~D2048~~—~~10~~ **D2048** – 17

Standard Test Method for Powdering of Floor Polish Films¹

This standard is issued under the fixed designation D2048; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This test method covers a bench procedure for the determination of the degree of powdering of floor polishes under ambient conditions as well as conditions of low relative humidity.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

1.4 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*²

D3153 Test Method for Recoatability of Water-Emulsion Floor Polishes

3. Terminology

3.1 *Definitions:*

3.1.1 *powdering*—partial or total disintegration of the polish film resulting in a fine, light colored material.

4. Significance and Use

4.1 This is a comparative test method. If this method does not indicate powdering, it is still possible that the product in actual use may powder.

5. Apparatus

5.1 *Textile Crockmeter*,³ weighted with a 2.2-lb (1-kg) weight. The weight is placed directly over the abrasion dowel and attached with two-faced tape.

5.2 *Abrading Felt*—670 Kelly No. 720 billiard cloth cut into 2 by 2-in. (50 by 50-mm) squares.

5.3 *Substrate*—Official Vinyl Composition Tile (OVCT)⁴ shall be used in this test.

5.4 *Volumetric Pipet*, 0.07-oz (2-mL).

5.5 *Cheesecloth Applicator*, washed to remove sizing; cut into 2-in. (50-mm) strips of four-ply cloth; folded twice.

5.6 *Relative Humidity and Temperature Indicator*.

¹ This test method is under the jurisdiction of ASTM Committee D21 on Polishes and is the responsibility of Subcommittee D21.04 on Performance Tests. Current edition approved May 1, 2010/March 1, 2017. Published June 2010/April 2017. Originally approved in 1964. Last previous edition approved in 2008/2010 as ~~D2048—92~~D2048 – 10, (ϵ 2008). DOI: 10.1520/D2048-10-10.1520/D2048-17.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ The sole source of supply of the apparatus known to the committee at this time is Atlas Electric Devices Co., Chicago, IL. If you are aware of alternative suppliers, please provide this information to ASTM Headquarters. Your comments will receive careful consideration at a meeting of the responsible technical committee, which you may attend.

⁴ OVCT is Official Vinyl Composition Tile of the Chemical Specialties Manufacturers Association, Inc., 1913 Eye St., N.W., Washington, DC 20006. tile may be obtained through Armstrong Flooring from various home improvement stores. The following Armstrong tile substrates have been found to perform adequately for this test method: Armstrong Excelon Feature Tile: Black (56790), http://www.armstrong.com/commflooringna/product_details_toolbox_magnify.jsp?item_id=47394.